

March 2006 Shutdown Week I

“Violating the second law of thermodynamics”

R.J. Tesarek

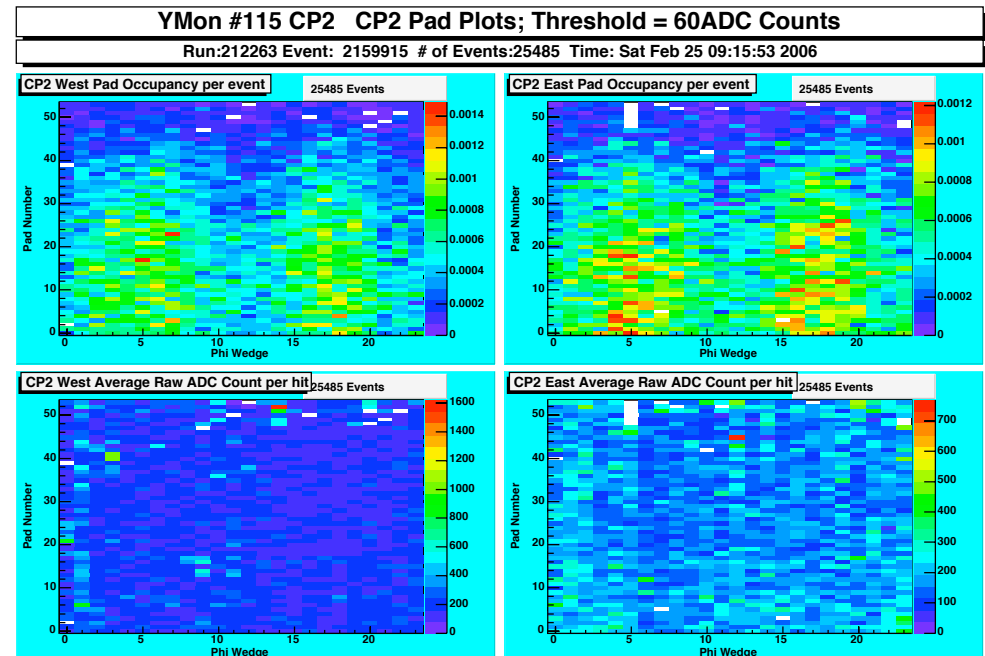
Fermilab

3/2/06

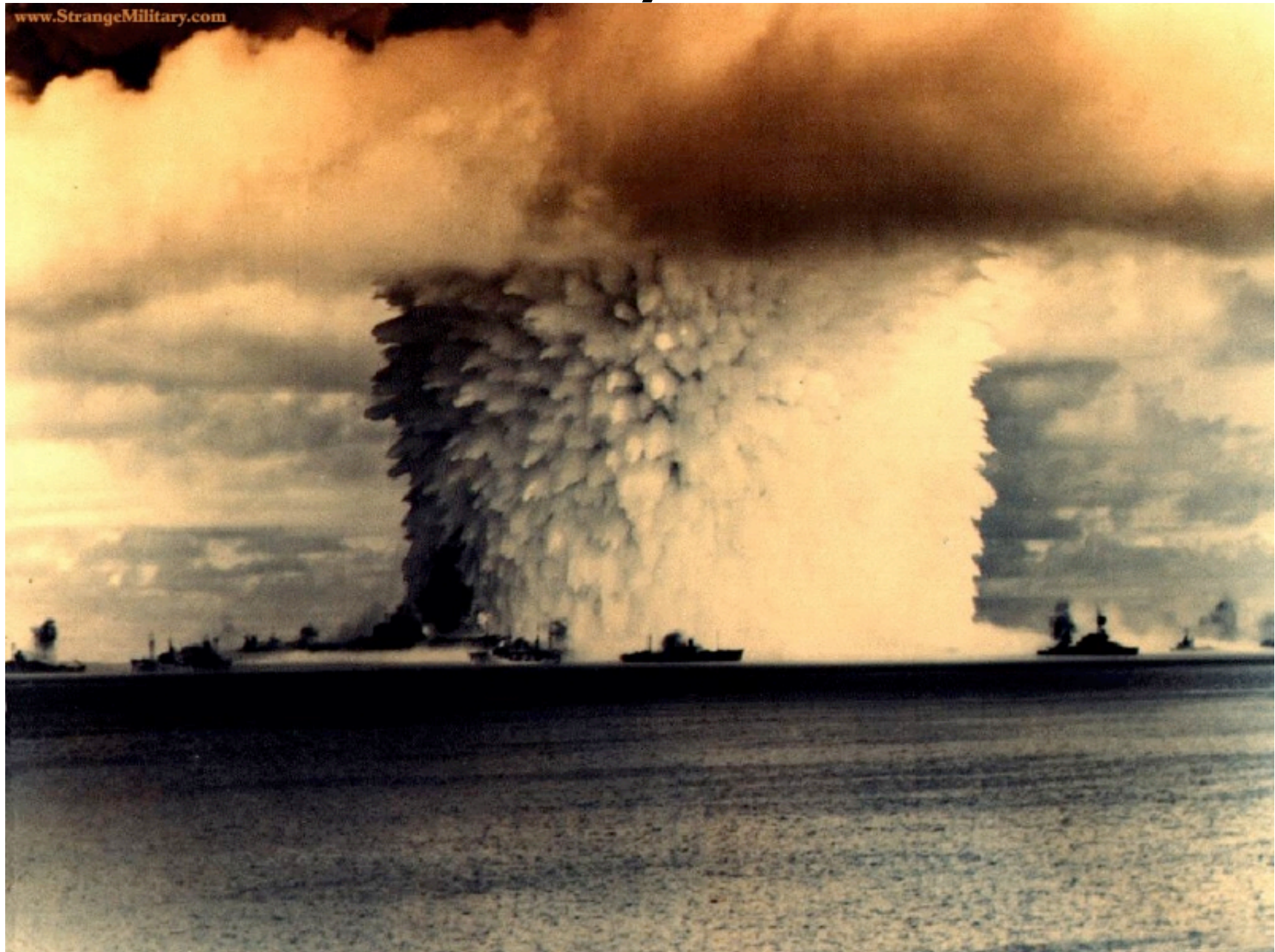
Last Week

Detector Characterization (2/24 - 2/27):

- Plug source calibration completed(A. Sedov)
- Complete set of detector calibrations
- Cosmic ray runs over the weekend
 - ~4M cosmic ray events w/ full detector readout (runs 212263, 212295, 212296)
 - XFT stereo upgrade firmware tests (K. Lannon, J.Ephram, P.Wilson)



Monday 2/27



Last Week (cont.)

Shift Status:

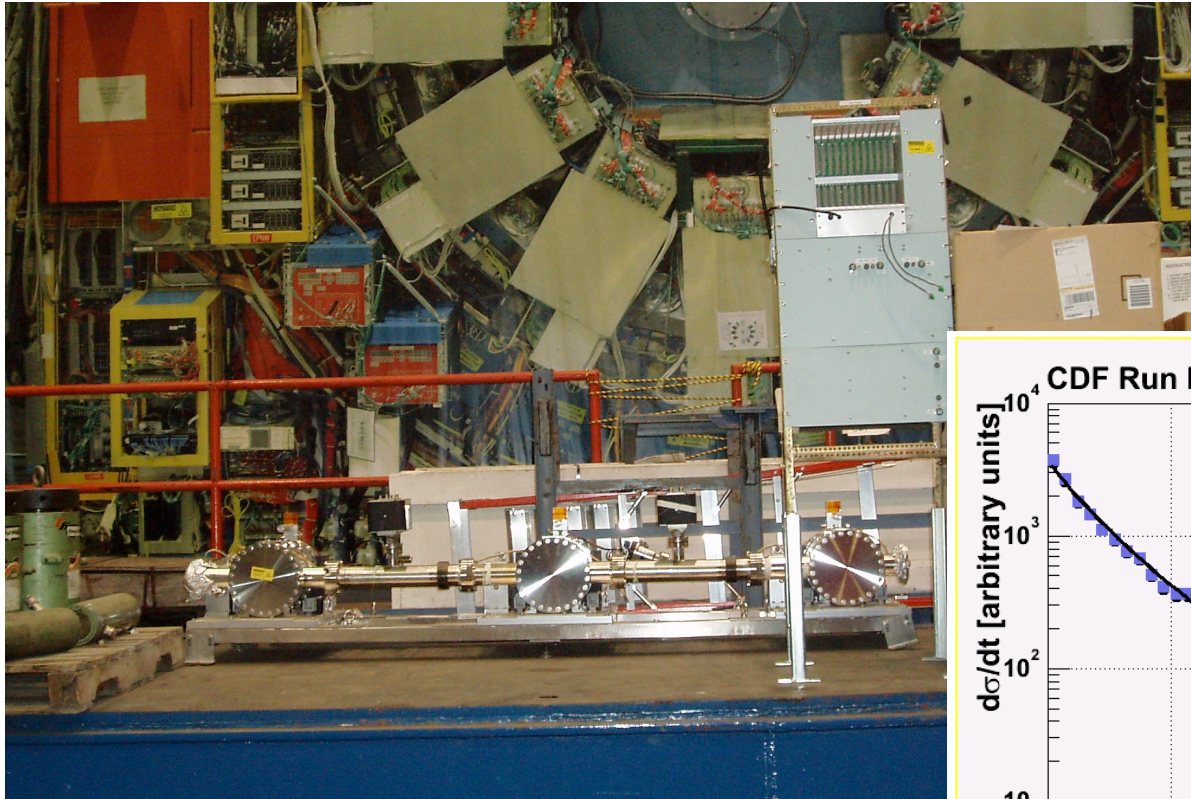
- No Cryo tech shifts from 2/27
- Day and half evening shifts (SciCo and I Ace) from 3/1

Shutdown Activities:

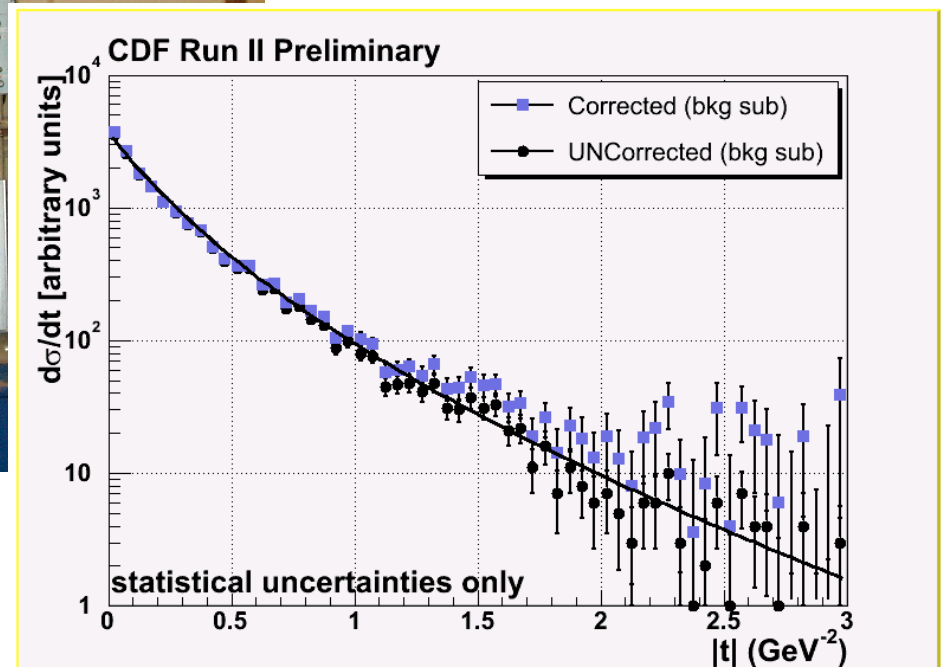
- Beam monitoring counters removed from Tevatron
- Removed 3 CAEN crates for repair and maintenance (SVX, plug)
- Nearly finished doping E. CMX miniskirts (D. Stentz, J. Strologas)
- Repaired CMP channels under the detector (P.Schlabach, D. Hahn)
- Started Control room PC upgrade (D.Allen, *et al.*)
- Started VRB crate (hardware event builder) upgrade
- Surveyed and removed Roman Pots from Tev tunnel (K.Terashi, M.Convery)
- Maintenance jobs too numerous to mention individually
- Low beta survey holding off more work in the hall

End of an Era

Roman Pots Leave Tevatron Tunnel



Thanks to forward physics
group (K.Terashi, M. Convery)



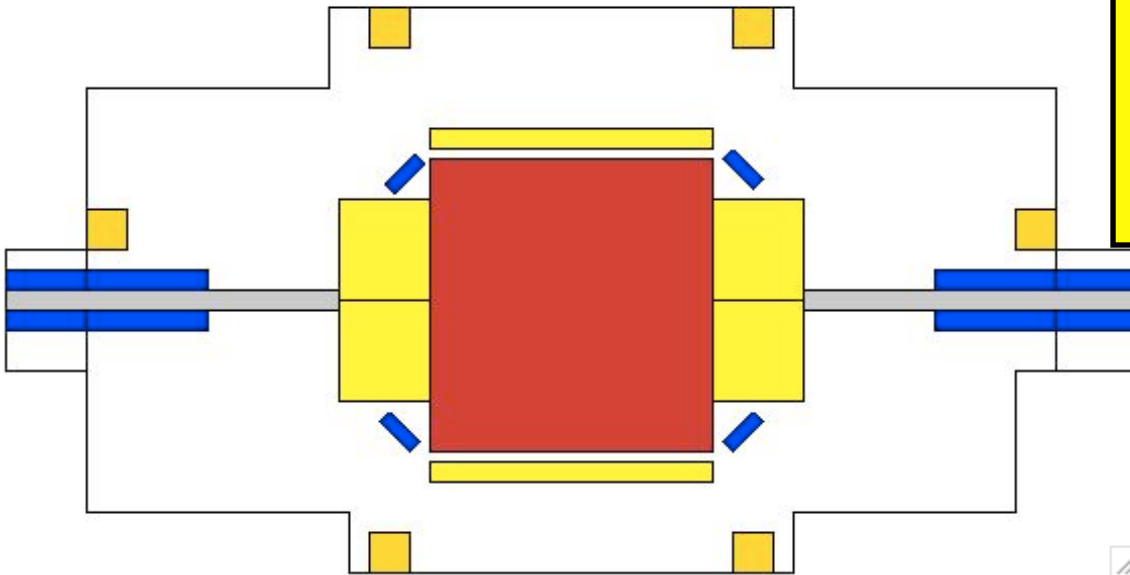
Status

Detector Status:

- COT on N₂ (From 3/I)
- Muon chambers on Flammable gas until
- No Hardware event builder until April
- Steel closed until low beta quads surveyed

Detector HV locked out 20:00 - 09:00 until muon system flushed from flammable gas

Check w/ Operations manager for detailed configuration each day.



Important Dates

Date	
2/27	Shutdown begins
2/27	Open Collision Hall, begin detector work
2/27 - 6/1	No Owl shifts (Cryo: 3/6 - 5/22): HV off at night!
3/1 - 4/6	No Hardware Event Builder
3/7	Open all steel, full detector acces
3/15 - 3/29	Hilman roller replacement (NW IMU steel)
3/15	Chambers off flammable gas
3/18	8 hour power outage to B0 and trailers
4/5 - 4/26	Solenoid bore access(?)
4/3	1/2 hour site wide power outage
4/24	1/2 hour site wide power outage
5/1	Flammable gas to COT (test recirc. system)
5/12	Restrict access to collision hall
5/12 - 5/25	Cosmic rays, Calibration and debugging
5/25	Tevatron Cold

Approximately 5 days ahead of expectation

Shutdown details: <http://ncdf67.fnal.gov/~tesarek/shutdown06>

Summary

- Early shutdown gave us a jump on work
- Detector characterization complete!
- Jobs started/completed mean ~5 days ahead of expectation
- Early hiccups out of the way!

Long way to go!

Let's be careful.

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